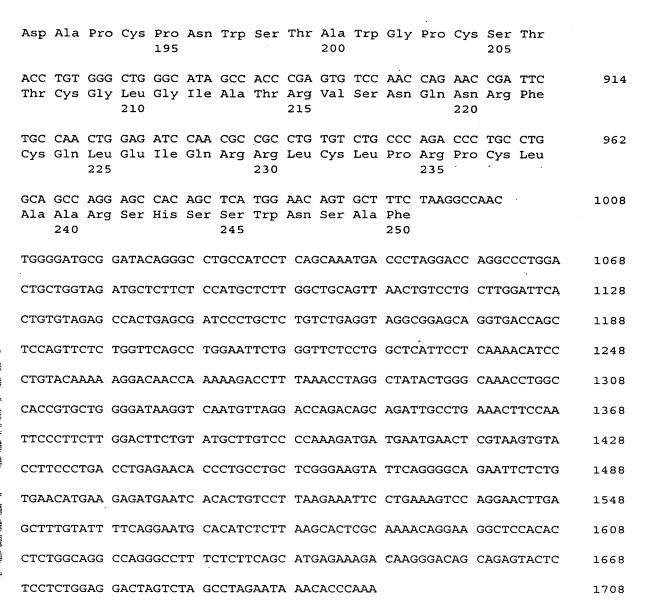
Nuceotide and Amino Acid Sequences of RacHICP

	GAC	GCTT	CTG .	ATCT	CCAG	AG G	ACCC'	TGGG	G TG	GGAC.	AGGG	GCC'	TTGG	CAA	GGCT	GCAGCC	60
	GCT	GGGC	AGT (GGCT'	TGGA	AT G	GAGG'	rctt'	r at	ract	GGGA	ACT	GAGG.	AGC '	TAAG	AGGCTC	120
	CTG	TCAG	CTT (GTCC	TAAA	GT C	rtag(CACT	r GT	GGTG	GCTT	GGG	CTTC	ACA (CACT	GTCAGA	180
	CAC	CTTC	GTG (GTGG	CCTC	CA CO	GCC'	rcac	C TTC	CAGG'	rttg	AAG	CTGG	CTC (CACA	AGGGAC	240
	ACG	GTGA	Me				r Pro						ı Ala			C TTC r Phe	290
					TCA Ser												338
					ACA Thr 35												386
					GGC Gly												434
					CTG Leu												482
					GGC Gly												530
					AGC Ser												578
.					CCC Pro 115												626
					CTG Leu												674
					CGC Arg												722
					TGT Cys												770
					CAC His												818
	GAT	GCT	CCT	TGT	CCA	AAT	TGG	AGC	ACA	GCC	TGG	GGC	CCC	TGC	TCA	ACC	866



Nucleotide Sequence Incoding Mature HICP and the Amind and Sequence of Mature HICP

												ACA Thr						48
												GGC Gly						96
												CTG Leu						144
												GGC Gly 60						192
: =												AGC Ser						240
												CCC Pro						288
												CTG Leu					٠	336
												CGC Arg						384
												TGT Cys 140						432
												CAC His						480
												CCA Pro						528
	GCC Ala	TGG Trp	GGC Gly	CCC Pro 180	TGC Cys	TCA Ser	ACC Thr	ACC Thr	TGT Cys 185	GGG Gly	CTG Leu	GGC Gly	ATA Ile	GCC Ala 190	ACC Thr	CGA Arg		576
												ATC Ile						624
												CAC His 220						672

AGT GCT TTC Ser Ala Phe 225

Alignment of the Modular Domains of HICP with the Modular Domains of Other **CCN Family Members**

MODULE I : IGFBP Domain

	•			•		
007	SGHGAVÇLL	VRKIĞV ĞTA	NOTGICMV	PAT KGTCRA	2 +	:
30 AT	<u>2</u>	A	P.	Č.		
75 76 90	VCDPSQGLVCQPGAG	PCDPHKGLFCDFGSE	PCDOSSGLYCDRSAL	PUNTKITECNFORS	10 11 11 11 11 11 11 11 11 11 11 11 11 1	< < k
61 75	KVCARRIGESCDHLH	RVCAKOLGELCTERD	PVCARORGESCSEMR	OHASOUGN TOAKUZA	NVCANZLINEUCULY X	* * ** ***
46 60	COSCIONATION OF COMMENTAL PROPERTY OF COMMEN	- PAGVSTAT.DGCGCC	TANK BUTT DECICE.	AF-GVA3VEDGCOCO	AP-GVGLVKDGCGCC	****
78 46	LOS TOTAL DESCRIPTION OF THE PROPERTY OF THE P	HICP OLCKIPOL - CE-WIFE O ESCALVINGCECC ROCAKOLGELCTERD PODPHKGLEOFGSP ANRKIĞVÖTA	QUCSAQCQCAAEAAFIIC	NOV LRCPSRCPPRCPSIS-FIC AF-GVASVBJOGGGG ANTONOGEN DEPTHYBLEFONEGAS STALKGIORA	-TCPAACHCPLEA-PKC	* . +
	1	HICF	CTGF.	NOV	CYR61	

MODULE II : vWFC Domain

165 166 180	0 - C		Out of the contract of the con	WYCDEDS1RDSLDDQ	
151 165	PRFKKIOV PGROCKE	מחסקחסתיייוסקת יה	PAPRKVAV PGECCEN	PNPRLVKVSGOCCEE	** *
136 150	LPLCSEDVRLPSWDC	VPECSMDVREPSPDC	LPRCOLDVLLFGFUC	IPLCPOELSLPNLGC	* *
121 . 135 136	NCRVLCRCDDGGFTC	SCKYQCTCLDGAVGC	NCQYFCTCRDGQIGC	NCKHQCTCIDGAVGC	* * *
101 120 121	DDGSCEVNGRRYLDGETEKP NORVLCRCDDGGFTC LPLCSEDVRLFSWDC FKFKKTQVFGRGFF WYG	DGAPCVFGGSVYRSGESFQS	EGDNCVFDGVIYRNGEKFEP	F.	
	1 HICP	2 CTGF	3 NOV	4 CYR61	10110

MODULE III : TSP1 Domain

,					
280 298	HICP PCP <u>NWS</u> TAWG PCSTTCGLGIATRVS NONRFCQLEIQRRLC LPRPCLAARSHSSWNSAF	CTGF NCLVQTTEWS ACSKTCGMGISTRVT NDNTFCRLEKQSRLC MVRPCEAULENIK-KGKK	NCIEOTTEWS ACSKSCGMGVSTRVT NRNRQCEMVKQTRLC IVRPCEQEPEEVTDKKGKK	CYR61 KCIVOTTSWS QCSKSCGTGISTRVT NDNPECRLVKETRIC EVRPCGQPVYSSLK-KGKK	*
265	NONRFCQLEIQRRLC	NDNTFCRLEKQSRLC	NRNROCEMVKOTRLC	NDNPECRLVKETRIC	*
250	PCSTTCGLGIATRVS	ACSKTCGMGISTRVT	ACSKSCGMGVSTRVT	QCSKSCGTGISTRVT	
240	PCP <u>NWS</u> TAWG	NCLVQTTEWS	NCIEOTTEWS	KCIVOTTSWS	
	1 HICP	2 CTGF	3 NOV	4 CYR61	

Northern Blot Analysis of HICP Expression in Rat Aorta Smooth Muscle Cells

